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ISSUE SLIP STAPLE AREA (for additional cross-references) **ISSUING CLASSIFICATION** CROSS REFERENCE(S)
SUBCLASS (ONE SUBCLASS PER BLOCK) **ORIGINAL** SUBCLASS CLASS CLASS 570 153 177 140 175 INTERNATIONAL CLASSIFICATION 17-138 ∧ Continued on Issue Slip Inside File Jacket

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| ı  | _                        | ш        | ш        | Ц.       | <u> </u>       | _  |          |            |   |           |               |        | _            |          |          | ini      | FY           | OF   | CI              | All      | 46             | iui              | <u> </u>     |            | 1 13     | sue :    | Jup      | 1116       |          |          |          | Juc      | 100      | <u> </u>     |           |
|--|--------------------------|----------|----------|----------|----------------|--|----------|------------|---|-----------|---------------|--------|--------------|----------|----------|----------|--------------|--|-----------------|----------|----------------|------------------|--------------|------------|----------|----------|----------|------------|----------|----------|----------|----------|----------|--------------|-----------|
|  | ✓Rejected – (Through nur |          |          |          |                |  |          |            | INDEX OF CLAIMS  umeral) Canceled N No  |           |               |        |              |          |          |          |              | Non  | -elec           | A        | A Appeal       |                  |              |            |          |          |          |            |          |          |          |          |          |              |           |
| _  | =Allowed +               |          |          |          |                |  |          |            |   | Re        | Restricted I  |        |              |          |          |          |              | O Objected                                       |                 |          |                |                  |              |            |          |          |          |            |          |          |          |          |          |              |           |
| K  | Naim Date                |          |          |          | Claim          |  |          |            |   |           | Date          |        |              |          |          | Claim    |              |  | Date            |          |                |                  |              |            |          | $\neg$   |          |            |          |          |          |          |          |              |           |
| Γ  | 1                        |          | . ``     | Г        | 12             | Γ  | $\Box$   |            | Г   |           |               |        | Г            | <u> </u> |          |          |              |  |                 |          |                |                  |              | 1          |          | _        | 丁        |            |          |          |          |          |          | П            | П         |
| J.                                       | <u>'</u>                 |          | 1        | ľ        |                | l  |          |            |   |           |               |        |              | Original |          |          |              |  |                 |          |                |                  |              |            | <u> </u> | Original | - 1      | - 1        |          |          | i        |          |          |              | П         |
| 1  |                          | ₹.       | 3        |          | 1/4            | ł  |          | l          |   |           |               | 1      | Flina        | हि       | - 1      |          |              |  |                 |          |                |                  |              |            | Final    | ξĺ       | - 1      |            |          |          |          |          |          |              | H         |
| ֓֓֓֓֓֟֟֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֓֡֓֓֡֓֓ | L                        | ĕ        | 0        | ┖        | 17             | L  | Щ        |            | L_  |           | _             | ŀ      | Щ.           |          | _        | _        |              |  | Щ               |          |                | $\Box$           | L_           |            |          | - 1      | _        | 4          |          |          |          |          |          |              | Ц         |
| L  |                          |          | 1        | 2        | V              | L  | L        | L          | Ц   | Ц         |               | 1      | L            | 51       | _        |          |              |  |                 |          |                |                  | _            |            | Ш        | 101      |          |            |          |          |          | Ш        | Ш        |              | Ш         |
|  | L                        | 2        | Ш        | Ш        | Ц              |  |          | L          |   |           |               |        | L            | 52       |          |          |              |  |                 |          |                |                  |              |            | L        | 102      |          |            |          |          |          |          |          |              |           |
| Ľ  | 7                        | 3        | Ц        | Ш        | Ц              | L  |          |            |   |           |               |        | L            | 53       |          |          |              |  |                 |          |                |                  |              |            |          | 103      |          |            |          |          |          |          |          |              |           |
|  | 4                        | 4        | П        | П        | П              | Ι  |          |            |   |           |               | 1      |              | 54       |          |          |              |  |                 |          |                |                  |              |            |          | 104      |          | I          |          |          |          |          |          |              | П         |
| Г  | Я                        | 5        | П        | П        | П              | Γ  |          |            |   |           |               | l      | Г            | 55       |          |          |              |  |                 |          |                |                  |              |            |          | 105      |          | $\neg$     |          |          |          |          |          |              | П         |
| Ţ  | ,                        | 6        | П        | П        | П              |  |          |            |   |           |               |        | Г            | 58       |          |          |              |  |                 |          |                |                  | Г            |            |          | 106      | コ        | _          | _        |          |          |          | • •      |              | П         |
| Ē  |                          | 7        | П        | П        | П              |  | П        |            |   |           | $\Box$        | 1      | Г            | 57       | 7        |          |              |  |                 |          | $\Box$         |                  | Г            |            | П        | 107      | ヿ        | ヿ          |          |          |          |          | া        | П            | П         |
| Ī  |                          | 8        | П        | т        | Ħ              |  | П        | П          | П   | П         | $\overline{}$ |        | $\vdash$     | 58       | _        | ┪        |              | П  |                 |          | $\neg$         |                  |              |            | П        | 108      | ┪        | 寸          |          | _        |          |          |          |              | П         |
|  | 1                        | 9        | H        | H        | Ħ              |  | Н        | Н          | _   |           | _             |        |              | 59       | _        |          |              |  | $\dashv$        | $\neg$   | $\neg$         | $\neg$           |              |            | Н        | 109      | -        | 7          | $\neg$   | $\neg$   |          | Н        | ř        | М            | Н         |
|  | 허                        | 10       | H        | <u> </u> | 1.1            | 1  | Н        | Н          | Н   | Н         | Н             | l      | г            | 60       | $\dashv$ | ᅥ        | $\vdash$     | Н  | $\vdash$        |          |                |                  | Н            |            | Н        | 110      | $\dashv$ | 一          | -        | Н        | $\dashv$ | H        | Н        | М            | Н         |
| 置  | 1                        | Ÿ        | H        | F        |                | <del>                                     </del> | H        | Н          | Н   | Н         | -             |        |              | 61       | $\dashv$ | $\dashv$ | $\vdash$     | $\vdash$   | $\vdash$        | $\dashv$ | $\vdash$       | -                |              |            | Н        | 111      |          | $\dashv$   | $\dashv$ | Н        | $\dashv$ | $\vdash$ | $\vdash$ | Н            | Н         |
| F.                                       |                          | 12       | Н        | 5        | V              | ┰  | Н        | Н          | Н   | $\vdash$  | H             | ŀ      | H            | 62       | $\dashv$ |          |              | $\vdash$   | $\vdash$        |          | Н              | -                | -            | 1          | Н        | 112      | $\dashv$ | $\dashv$   | -        | $\vdash$ | $\vdash$ | $\vdash$ | Н        | ┝            | Н         |
| ď.                                       | 4                        | 13       | Н        | ۱ŕ       | <del>۱</del> ۲ | $\vdash$   | Н        | ┝╌┤        | Н   | Н         |               | l      | $\vdash$     | 63       | $\dashv$ |          |              | Н  | $\vdash$        |          | Н              | Н                | $\vdash$     |            | Н        | 113      | +        | -+         |          | ⊢⊢       | $\dashv$ | H        | Н        | Н            | Н         |
|  | _                        | 14       | Н        | ╫        | ₩              | -  | Н        | Н          | Н   | Н         | H             |        | <del> </del> | 64       | $\dashv$ | $\dashv$ | $\vdash$     | ļ  | $\vdash$        | $\dashv$ | $\vdash$       | $\vdash$         | <del> </del> |            | Н        | 114      | -+       | -+         | $\dashv$ | $\vdash$ |          | $\vdash$ | Н        | $\vdash$     | Н         |
|  | _                        | 15       | Н        | #        | +              | ├-   | ⊢⊢       | Н          | Н   | Н         | Н             |        | $\vdash$     | 65       | $\dashv$ | $\dashv$ | -            | Н  | $\vdash$        |          |                | -                | <del> </del> |            | Н        | 115      | $\dashv$ | $\dashv$   | 4        | Н        | ш        | Н        | Н        |              | Н         |
| 4  | 11                       |          | Н        | #        | ₩              | ⊢  | Н        | Н          | Ь   | $\vdash$  | _             | 1      | <del> </del> | 66       |          |          |              | $\vdash$   | $\vdash \vdash$ | $\dashv$ | $\vdash$       |                  | ⊢-           |            | Н        |          |          |            | 4        | Щ        | -        | Ш        | Ш        | <b> </b> -   | ┦         |
| μ  |                          | 16       | Щ        | #        | H              | <u> </u>   | ⊢┤       | Ш          | Н   | Ш         | _             |        | $\vdash$     |          | _        | 4        | <u> </u>     | Щ  | $\vdash$        | _        | $\vdash$       | _                | <u> </u>     |            |          | 116      | _        | 4          | _        | Ш        |          | Щ        | Щ        | <b> </b>     | H         |
|  | -                        | 17       | Щ        | Щ.       | Н              | L  | Ц        | Ш          | Ш   |           | _             |        | <u> </u>     | 67       |          | _        |              |  |                 | _        | Щ              |                  |              |            | Щ        | 117      | _        | 4          | 4        |          |          | Щ        |          |              | Ш         |
|  |                          | 18       | Ш        | Ц.       | Ц              | $\angle$   | Ц        | Щ          |   |           |               | ł      | L            | 68       | _        | _        |              |  | Ш               | _        |                | Щ                | _            |            | Щ        | 118      | _        | _          |          | Ш        |          | Ш        | Ц        |              | Ш         |
| L  | -                        | 19       | -11      | 11       | Ý              |  |          |            | Ш   |           |               | ŀ      | L_,          | 69       |          |          |              |  |                 |          |                | Щ                | L            |            | Ш        | 119      | _        | _          |          |          |          |          | Ш        |              | Ш         |
| L  |                          | 20       |          |          | L              |  |          |            |   |           |               | ŀ      |              | 70       |          |          |              |  |                 |          |                |                  | L.,          |            |          | 120      |          | _1         |          |          |          |          |          |              | $\square$ |
| Ι  | ٦                        | 21       |          |          |                | 1  |          |            |   |           |               | ŀ      |              | 71       |          |          |              |  |                 |          |                |                  |              | ]          |          | 121      |          |            |          |          |          |          |          |              | $\Box$    |
| Γ  | ٦                        | 22       |          |          | Г              |  |          |            |   |           |               |        |              | 72       |          |          |              |  |                 |          |                |                  |              | 1          |          | 122      |          | $\neg$     |          |          |          |          |          |              | П         |
| Ţ  | ٦                        | 23       |          |          | Г              |  |          |            |   |           |               |        | Г            | 73       |          |          |              |  |                 |          |                |                  |              |            |          | 123      | $\neg$   | 寸          |          |          |          |          | П        |              | П         |
| ſ  | ٦                        | 24       |          |          | Γ              |  |          |            |   |           |               |        | Г            | 74       |          |          |              |  |                 |          |                |                  |              | ١ '        |          | 124      | $\neg$   | 寸          |          |          |          | Г        |          | $\Box$       | П         |
| Т  | ┪                        | 25       | П        |          | ✝              |  | Г        |            |   |           |               | 1      |              | 75       |          |          |              |  |                 |          |                |                  |              | 1          |          | 125      | $\neg$   | $\neg$     |          |          | $\Box$   | П        | П        | П            | П         |
| h  | 7                        | 26       |          | $\vdash$ | ┪              | $\vdash$   |          | Г          | М   |           |               |        | $\vdash$     | 76       |          |          | _            |  |                 |          |                |                  |              | 1          | $\vdash$ | 126      | ┪        | _†         | _        |          |          |          | М        | Г            | Н         |
| ı  | ┪                        | 27       | М        | Т        | ┱              | ✝  | Н        | Г          | ┢   | М         | _             | ĺ      | $\vdash$     | 77       | $\neg$   |          |              |  |                 |          |                |                  |              | 1          | $\vdash$ | 127      | ┪        | _          | $\neg$   | М        | _        | Г        | М        | $\Box$       | Н         |
| ŀ  | ┪                        | 28       | Н        | -        | ┢              | ✝  |          | -          | Н   | Н         | -             | 1      | ┢            | 78       | $\neg$   | $\neg$   | -            |  | -               |          | $\overline{}$  | _                |              | 1          | $\vdash$ | 128      | -        |            | _        |          |          | $\vdash$ | 1        | H            | Н         |
| H  |                          | 29       | H        | H        | H              | ┢╌   | H        | H          | ┢   | Н         |               | l      | ⊢            | 79       |          | $\neg$   | _            | -  |                 |          | _              | $\vdash$         |              | 1          | ┝        | 129      | -1       | ᅥ          |          |          |          | -        | Н        | Н            | Н         |
| ┢  | _                        | 30       | H        | ⊢        | ┢              | ╌  | Н        | Н          | -   | Н         | $\vdash$      | 1      | ⊢            | 80       |          |          | _            | $\vdash$   | H               | -        |                | Н                | -            | ١.         | -        | 130      | -        | -          |          | Н        |          | -        | Н        | -            | Н         |
| ŀ  |                          | 31       |          | ⊢        | ╌              | ⊢  | Н        | $\vdash$   | ⊢   | Н         |               | 1      | ⊢            | 81       | $\dashv$ | $\dashv$ | -            | -  | Н               | $\vdash$ | _              | -                |              | ١.         | -        | 131      |          |            |          | Н        | Н        | -        |          |              | ╂╾┥       |
| ŀ  |                          | 32       | H        | -        | +-             | ┰  | H        | -          |   | H         | -             | l      | $\vdash$     | 82       | $\dashv$ |          | -            | ┝  |                 | H        |                | <u> </u>         | -            |            | -        | 132      | $\dashv$ | -+         |          | Н        | Н        | $\vdash$ | $\vdash$ | -            | $\vdash$  |
| ł  | 4                        | 33       | ⊢        | -        | ╀              | ┰  | $\vdash$ | $\vdash$   | -   | Н         |               | l      | <u></u>      | 83       |          | $\dashv$ |              | $\vdash$   | H               | -        | $\vdash$       |                  | -            | 1          | -        | 133      | -        | -          | 4        | Н        | $\vdash$ | $\vdash$ | $\vdash$ | <del> </del> | Н         |
| ŀ  | 4                        | 33       | $\vdash$ | <u> </u> | <b>├</b>       | ₩  | $\vdash$ | $\vdash$   | Н   | Н         | ۴.            | l      | $\vdash$     | 84       | $\dashv$ | $\dashv$ | <b> </b>     | ļ  | H               | Н        | Н              |                  | ⊢-           |            | -        | 134      |          |            | _        | Н        | Н        | $\vdash$ | ⊢⊢       | $\vdash$     | $\vdash$  |
| ŀ  |                          | 35<br>35 | H        | -        | ╀              |  | ⊢        | ⊢          | ⊢   | Н         | _             |        | $\vdash$     |          | $\dashv$ | _        | <u> </u>     | <b> </b>   | $\vdash \dashv$ | $\dashv$ | $\vdash\vdash$ | <del>  -  </del> | <u> </u>     | }          |          | 135      | -        |            | _        | Н        | Н        |          | ┝╌┤      | ⊢            | ₩         |
| þ  | _                        |          | L        | L        | ▙              | ╀  | $\vdash$ | Н          | $\vdash$  | Щ         | <u> </u>      | 1      | <u> </u>     | 85       | $\dashv$ | 4        | <u> </u>     | <b> </b>   | Щ               | -        |                | ļ                | _            |            | <u> </u> |          |          |            | _        | Ш        | Щ        | -        | Щ        | ⊢            | Н         |
| 1  | 1                        | 8        | L        | $\vdash$ | ↓_             | ↓_   | ▙        | ļ          | <b>!</b>  | Ш         | _             |        | $\vdash$     | 86       | Ц        |          | L            | <u> </u>   |                 | $\Box$   |                | $\vdash$         |              |            | Щ        | 136      | _        |            | _        | Ш        | Щ        | $\vdash$ | Щ        | ⊢            | Ш         |
| ۱,                                       |                          | 37       | L        | L        | L              | ┖  | Щ        | ļ          | ╙   | Щ         | <u> </u>      |        | <u></u>      | 87       | _        | _        | L_           | ļ  | Ш               |          |                | Щ                | <u> </u>     | l          | $\vdash$ | 137      |          |            | _        | Ш        | Щ        | <u> </u> | Ш        | <b> </b>     | Н         |
| L  | _                        | 38       | L        | L        | L              | <b>!</b>   | _        | <u> </u>   | Щ   | Ш         | L             | 1      | <u>_</u>     | 88       | $\Box$   |          | L.           | L_   | Ш               | $\Box$   |                | $\Box$           | <u> </u>     |            | <u> </u> | 138      |          | _          |          | Ш        | Щ        | Щ        | Ш        | Ш            | Ш         |
|  |                          | 39       | Ĺ        | L        | 乚              | L  | 1_       | ட          | $oldsymbol{ol}}}}}}}}}}}}}}}}}}}$ | لسا       | L.,           |        | L            | 89       |          |          | L            | L  | LJ              |          |                | L_               | 匚            |            |          | 139      |          | $_{\perp}$ |          | Ш        |          | L        | Ш        |              | Ш         |
|  |                          | 40       |          | Ĺ        | L              | L  |          |            | L   | $\square$ | L             | l      | L            | 90       |          | ]        | <u> </u>     | <u>L</u>   | لــا            |          |                |                  | L            |            | $\Box$   | 140      | $\_$ $[$ | [          |          |          |          |          | $\sqcup$ | $\Box$       | Ш         |
|  |                          | 41       |          | Ĺ        | Ĺ              | L  |          |            |   |           |               | ]      | L            | 91       |          |          | L            | L  |                 |          |                |                  | L            | <b>j</b> ' |          | 141      |          | _]         |          |          |          |          |          |              | $\Box$    |
| ſ  | ٦                        | 42       | Γ        | Γ        | Π              | Γ  | Γ        |            |   |           |               |        |              | 92       |          |          |              |  |                 |          |                |                  |              | ]          |          | 142      | ヿ        | T          |          |          |          |          |          |              | $\Box$    |
| Ţ  | ╗                        | 43       | Γ        | Γ        | Г              | 1  | Π        | Г          | Г   |           |               |        | Г            | 93       | $\neg$   |          |              |  |                 |          |                |                  |              | } ;        |          | 143      |          | 寸          |          |          |          |          | П        | П            | П         |
| t  | ┪                        | 44       | Г        | Г        | Τ              | Т  | П        |            | Г   |           |               | 1      | Г            | 94       |          |          | Г            |  |                 |          |                |                  |              | 1          |          | 144      |          | 7          |          |          |          | Г        | П        | П            | П         |
| ŀ  | 7                        | 45       | Г        | Г        | Π              | 1  |          | П          | Г   | П         | _             | 1      |              | 95       |          |          | Г            |  |                 | $\neg$   |                | П                | Г            | 1          | П        | 145      | 一        | 寸          |          |          |          | П        | П        | Г            | П         |
| h  | ┪                        | 48       | Г        | Г        | $t^-$          | ✝  | П        | <b>-</b> - | Г   | П         | Г             | 1      |              | 96       | $\dashv$ | -        | <u> </u>     | П  | Н               | $\neg$   |                | Н                | ┢            | 1          | П        | 146      | _        | 寸          | ┪        | Н        | -        | М        | М        | П            | П         |
| t  | 1                        | 47       | Н        | H        | 一              | 十  | Н        | Н          | 1   | М         | $\vdash$      | 1      | Г            | 97       | $\dashv$ | $\dashv$ | $\vdash$     | М  | Н               | $\dashv$ |                | Н                | $\vdash$     | 1          | Н        | 147      | $\dashv$ | -+         | ᅥ        | Н        | $\vdash$ | Н        | М        | Н            | Н         |
| H  | 4                        | 48       | ┢        | -        | ╁              | ✝  | $\vdash$ | ┢          | ┢   | Н         | $\vdash$      | 1      | $\vdash$     | 98       | $\dashv$ | $\dashv$ | $\vdash$     | <del>                                     </del> | $\vdash$        | $\dashv$ | $\vdash$       | $\vdash$         | ┢            | 1          | Н        | 148      | -1       | -+         | ᅥ        | $\vdash$ | $\vdash$ | Н        | $\vdash$ | Н            | Н         |
| H  |                          | 49       | $\vdash$ | -        | ╁              | ╂  |          | ├          | $\vdash$  | H         | $\vdash$      |        | <del> </del> | 99       | $\dashv$ | $\dashv$ | $\vdash$     | ├╌   | Н               | $\dashv$ | $\vdash$       | -                | -            | 1          | $\vdash$ | 149      | $\dashv$ | $\dashv$   | -        | H        | $\dashv$ | $\vdash$ | $\vdash$ | H            | Н         |
| H  |                          | 50       | Н        | -        | ╁              | ╂  | ┨        | $\vdash$   | $\vdash$  | Н         | $\vdash$      |        | $\vdash$     | 100      | $\dashv$ |          | <del> </del> | $\vdash$   | Н               | $\dashv$ |                | -                |              |            | $\vdash$ | 150      |          | -+         | -        |          |          | Н        | $\vdash$ | Н            | Н         |
| L  | _1                       |          | لسا      |          | 1              |  | ш        | ب.         | 느   | ᆜ         | -             | ,<br>I | <u>ادر</u>   |          |          | ᆛ        | _            | L  | ᆜ               |          | الما           |                  | 4:0:4        | J          | لب       | eet i    |          | ᆚ          |          |          |          | ـــا     | لب       | لــا         | ш         |

If more than 150 claims or 9 actions staple additional sheet here